



# Convention on Long-range Trans-boundary Air Pollution

## Task Force on Integrated Assessment Modelling

37<sup>th</sup> meeting

22–24 February 2010

*Geneva*



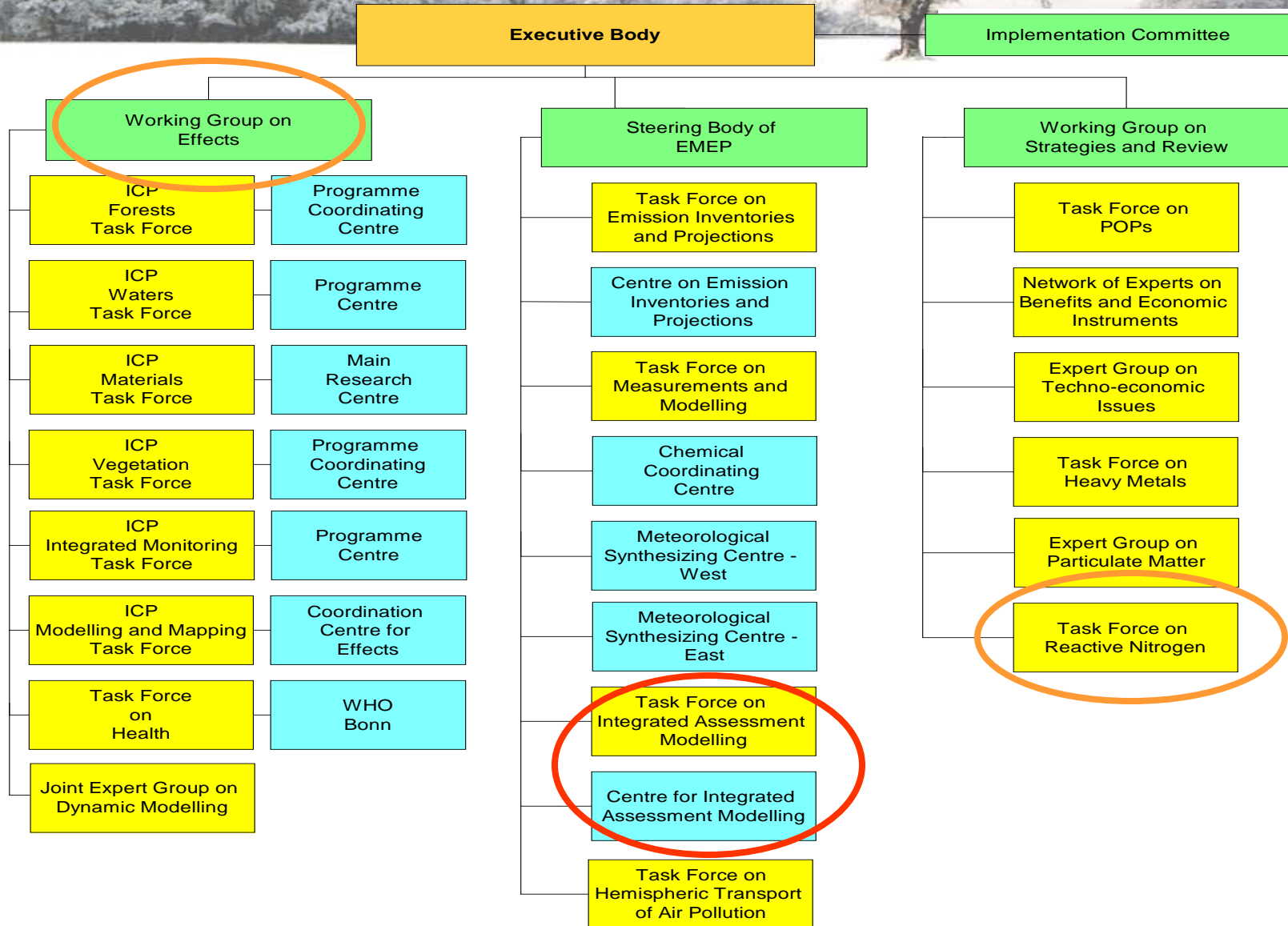


# 51 Parties to the Convention



UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE

# Organization of the Convention



- 1979 Geneva Convention on Long-range Transboundary Air Pollution
- current focus on implementation of and compliance with
  - 1984 EMEP Protocol
  - 1985 and 1994 Sulphur Protocols
  - 1988 NO<sub>x</sub> Protocol
  - 1991 VOC Protocol (volatile organic compounds)
  - **1998 Heavy Metals Protocol**
    - amendments negotiated
  - **1998 POP Protocol** ←
    - persistent organic pollutants
    - amendments negotiated
  - **1999 Gothenburg Protocol**
    - multi-pollutant (SO<sub>2</sub>, NO<sub>x</sub>, NH<sub>3</sub>, VOC)
    - multi-effect (acidification, eutrophication, ozone on vegetation and health)
    - review 2006–2007, revision in 2008–2010
    - inclusion of primary particulate matter and .....



# Executive Body

## (December 2009)

- Agreement on new POP Protocol (but not on new HM protocol)
- Strategic discussion on long term vision of the Convention and short term scarcity of secretarial support
- Scenario development for the revision of the Gothenburg Protocol
  - Analysis of impact of technical annexes
  - Ex-post analysis of effects
- Linkages between air and climate change
  - Ad hoc expert group on Black Carbon (Sara Terry – USEPA)
  - Adaptation of TFIAM workplan

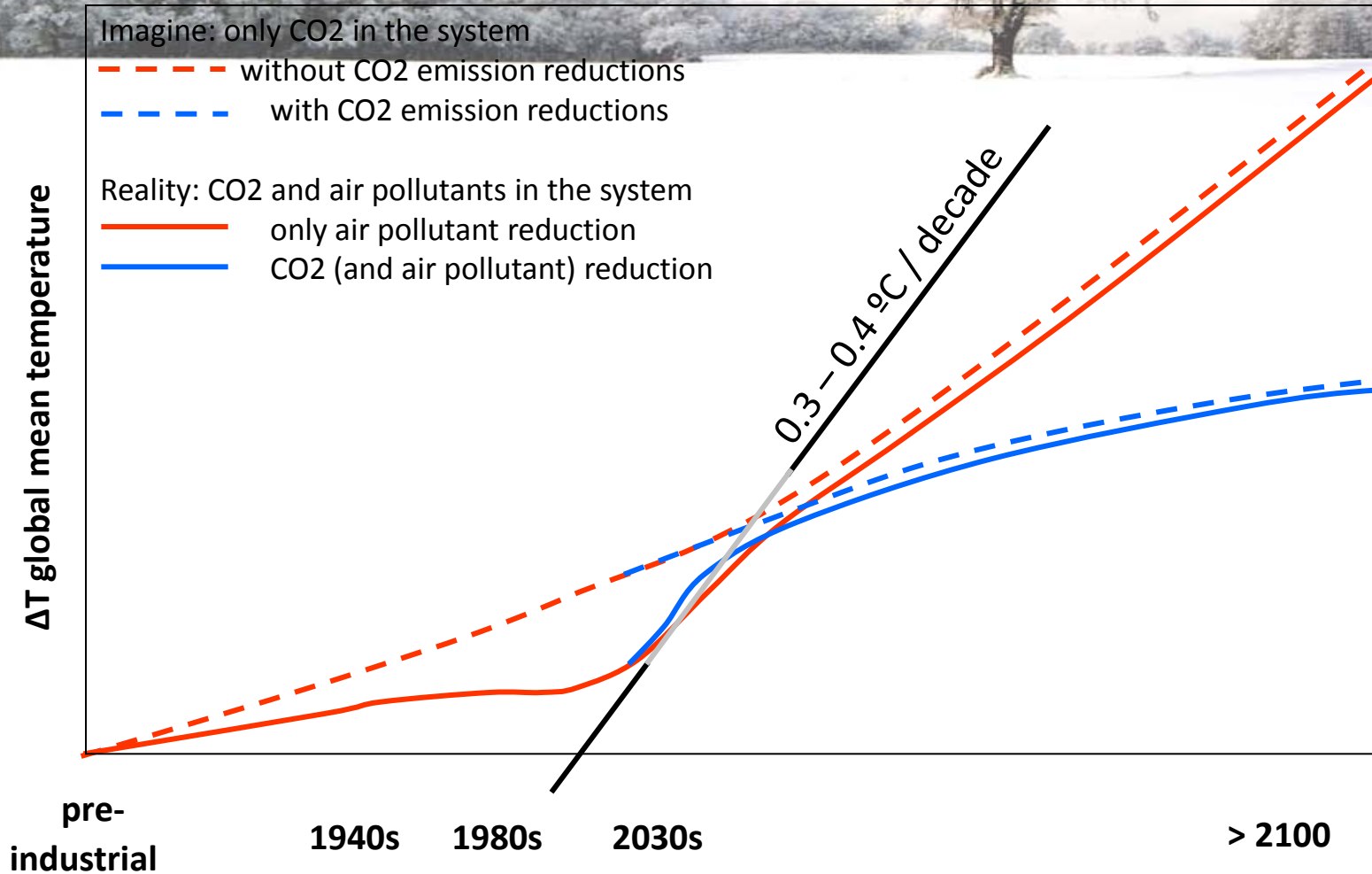
## CIAM:

- Provided that sufficient funding can be found continue the development of the GAINS modeling framework for the purpose of estimating co-benefits of air pollution abatement strategies to reduce ozone and particulate matter for radiative forcing and black carbon deposition in the Arctic.

## TFIAM:

- Contribute to the further development of the GAINS-model, assess new findings on the interrelationships between air and climate policy, and collaborate with the ad-hoc expert group on black carbon and with authors contributing to reports of the IPCC and UNEP, and report progress to the 28th session of the Executive Body.





- **Gothenburg Conference on Air and Climate change (Oct 2009)**
  - Development of indicators for short term climate forcing
- **Workshop on ozone flux modelling, Ispra, (Nov 2009)**
  - Development of persuasive indicators for ozone damage
- **Task Force on Reactive Nitrogen (Nov 2009)**
  - Proposal for amending annex IX
  - Report on Nitrogen and Climate



## TFIAM

2010

**Feb:** Baseline proposal

**May:** Analyses of targets options

**Oct:** Sensitivity analysis  
incl. climate forcing

2011

**Jan/Feb:** scenario runs

**May:** final runs

**Oct:** report

## WGSR

2010

**Apr:** baseline accepted

**Sept:** Guidance on targets

**Dec(EB):** Guidance on targets

2011

**April:** Draft Protocol

**Sept:** Final Protocol

**Dec(EB):** Protocol adopted

- UNEP report on Integrated assessment of black carbon and tropospheric ozone
  - Assessment Chair: Drew Shindell, NASA/GISS
  - Assessment Vice Chair: V Ramanathan, Scripps Institute of Oceanography
  - Secretariat: UNEP and Stockholm Environment Institute, on behalf of the Global Atmospheric Pollution Forum (Volodymyr Demkine)
  
- IPCC – 5<sup>th</sup> assessment report
  - WG-3 chapters per sector
  - Air pollution experts to contribute

# Workplan items

1. Baseline development
2. Target setting options
3. Analysis of impacts of draft technical annexes
4. Sensitivity analysis
5. Ex-post impact analysis
6. Report on air & climate linkages
7. 2050 aspirations
8. Flexible mechanisms
9. Exchange of national experiences (with NIAM)

# Meeting report

- Report
  - Focussed on recommended baseline scenario
  - Not more than two pages
  - Informal document (too late for translation for WGSR - April)
  - Annexed to TFIAM report of May meeting
  
  - Only brief remarks on other presentations → details on website
  - Otherwise not recorded
  
- Draft report in one week